Presentation to the

CONGRESSIONAL STAFF UPDATE

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JULY 27, 2005

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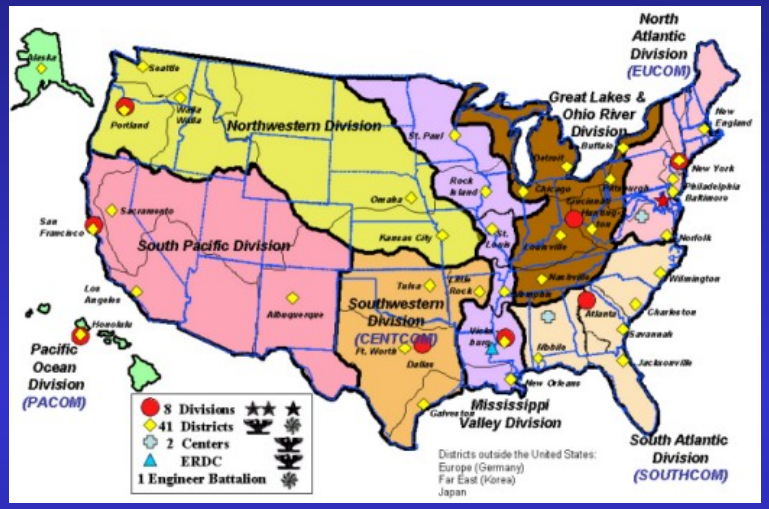
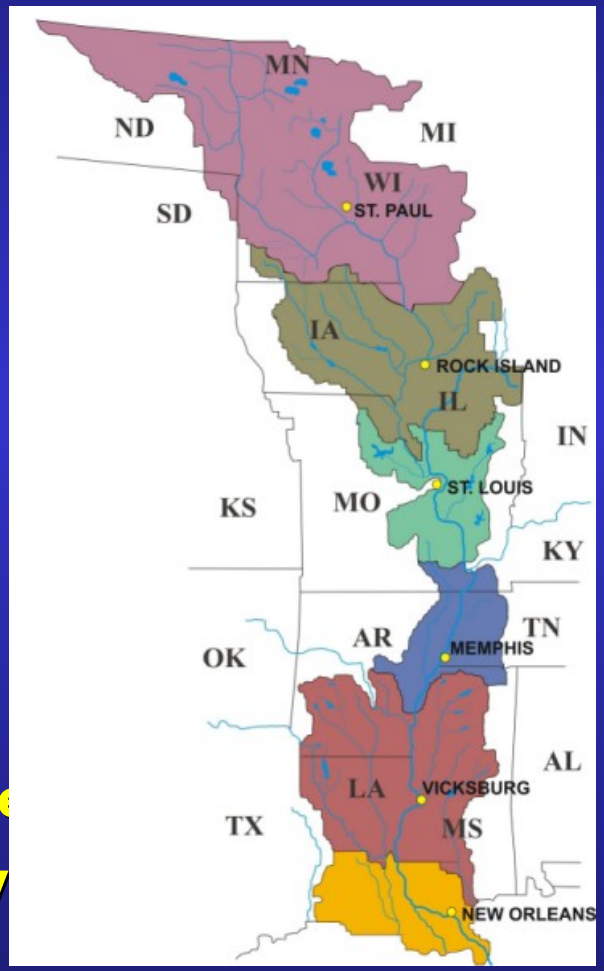
Mississippi Valley Division





- **Six districts**
- **5,000+ employees**
- **370,000 square mile boundary, encompassing all or parts of 12 state**
- **4,267 miles of commercial waterway**
- **44 flood control lakes/reservoirs**

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Rock Island District

- Primarily a civil works district
- 78,000 square miles
- Portions of 5 states
- Operate 582 miles of 9-foot navigation channel
- 20 lock & dam sites
- 5 flood control reservoirs
- 900 employees

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Rock Island District Employees

27 Field sites

- 912 employees
- Average age – 42.8
- Advanced degrees (Bachelors & above) - 256
- Grade structure -

4	GS-15
9	gs-14
40	gs-13
100	gs-12
189	gs-11

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Agenda for Today

- Program status
- Break
- Environmental programs
- Lunch

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Status of the Water Resources Development Act

House passed on July 14
Senate Env. & P.W. Comm. passed on July 1

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FY06 Energy & Water Appropriation Bill

House passed on May 24
Senate passed on June 30

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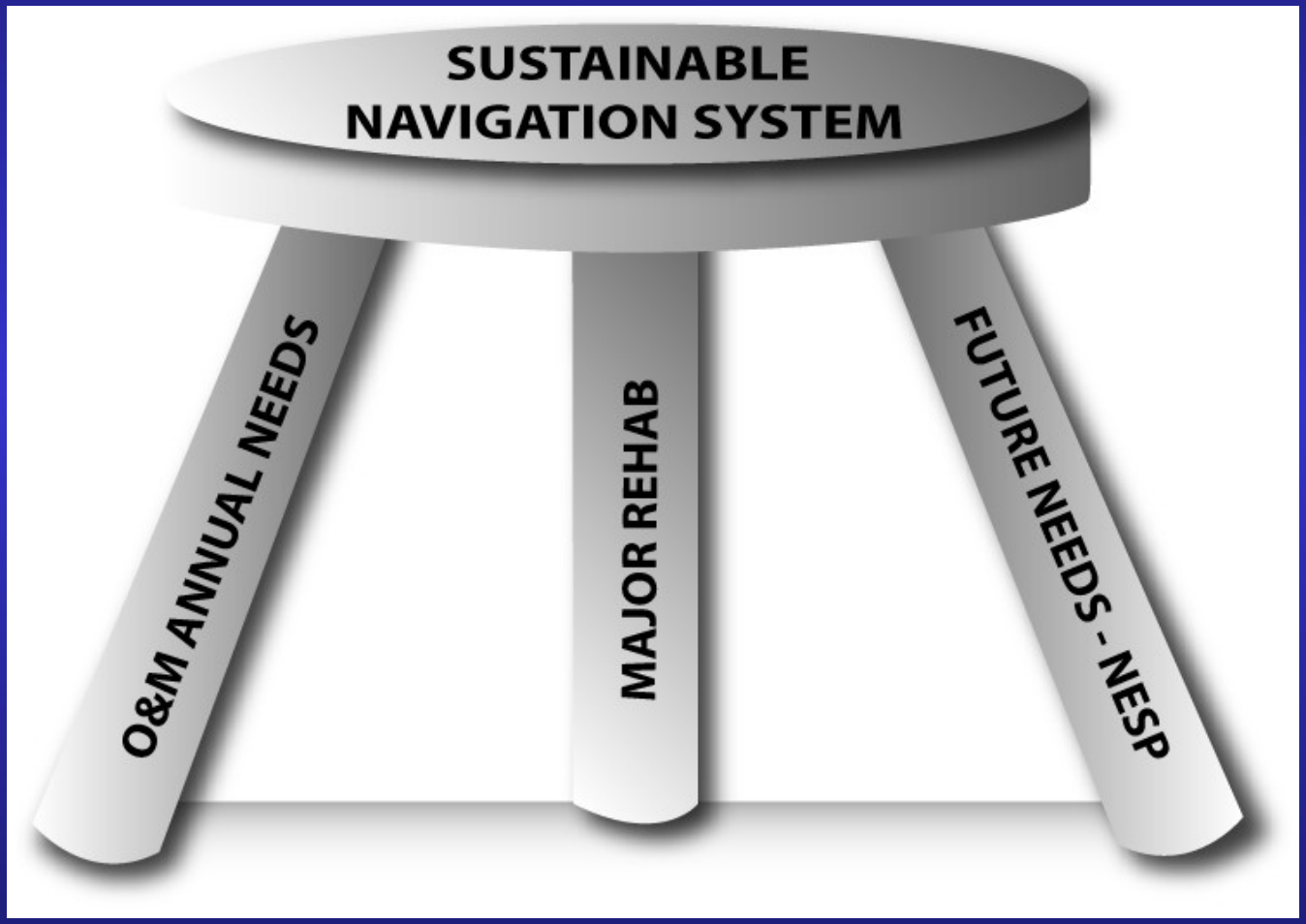

Upper Mississippi River-Illinois Waterway System Navigation Study
Now: Navigation & Environmental Sustainability Program

Program Area

- **37 Lock Sites**
- **1,200 Miles of River**

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Scope Of Study

Focus on authorized federal navigation projects & the ecological & floodplain resources that are affected by these projects.

Original study
(1993-2000) → **Relieve congestion.**

Restructured study
(2001-2004) → **Relieve congestion.**

→ **Achieve environmental sustainable system.**

Study Vision

"To seek long-term sustainability of the economic uses and ecological integrity of the Upper Mississippi River System"

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Upper Mississippi River-Illinois Waterway System Navigation Study Now: Navigation & Environmental Sustainability Program

- Chief's of Engineer's Report Signed Dec. 2004.
- Estimated construction start date: FY2006 (contingent on authorization)
- Scheduled completion date: FY2020 (contingent on authorization)
- Authorization status

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Recommended Navigation Efficiency Improvements

$2.03 Billion in first 15 years (CG/IWTF)

- Mooring facilities @ locks 12, 14, 18, 20, 22, 24 & LaGrange*
- Switchboats @ locks 20-25*
- Adaptive implementation of 1200’ chambers at locks 20-25 (22*, 25*), LaGrange* & Peoria
- Mitigation for site specific & system effects
- Continued study & monitoring

* Initiate in FY05

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FY05 Implementation Plan

- Work allowance $11.3M (Congressional Add)
- 32 new projects
- Programmatic projects (5) $1.9M
- Navigation efficiency projects (8) $4.8M
- Primary activities focused on:

  Decision documents (planning)
  Engineering and design
  Collection of pre-project monitoring data
  Site specific evaluations
  Public meetings

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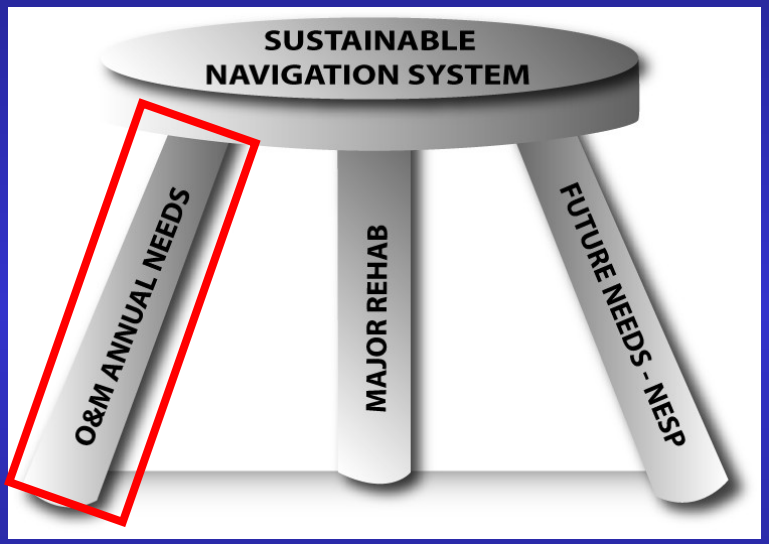
FY2006 Mississippi River Project President's Budget -- $48,107K

Additional $23.85M repair capability:

- **Major maintenance at Lock 19 -- $2.5m**
- **L/D 18 miter gate replacement -- $3M**
- **Major maintenance at L/D 11 -- $3M**
- **Checkpost repairs at 3 sites -- $300K**
- **Rehab L/D 15 hydropower turbine -- $450K**
- **DMMP plans, design, implementation, & maintenance -- $1.6m**
- **Dredging -- $1M**
- **Dam 18 concrete work -- $5M**
- **Repair/rehab L/D 12 (major maintenance) -- $4M**



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Saylorville Lake
President's Budget -- $3,952K

Project basic service level shortfall of $871K.

- **Barrier dam pump replacement -- $800K**
- **Marina boat ramp replacement – $865K**
- **Neal Smith Trail repairs -- $3.6M**

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Lake Red Rock
President's Budget -- $3,415K

Project basic service level shortfall of $864K.

- **Bulkhead design & procurement -- $1M**
- **Rim erosion repairs -- $250K**

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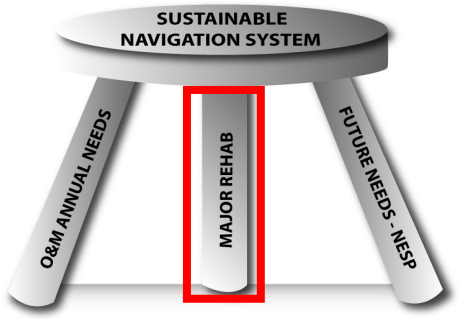
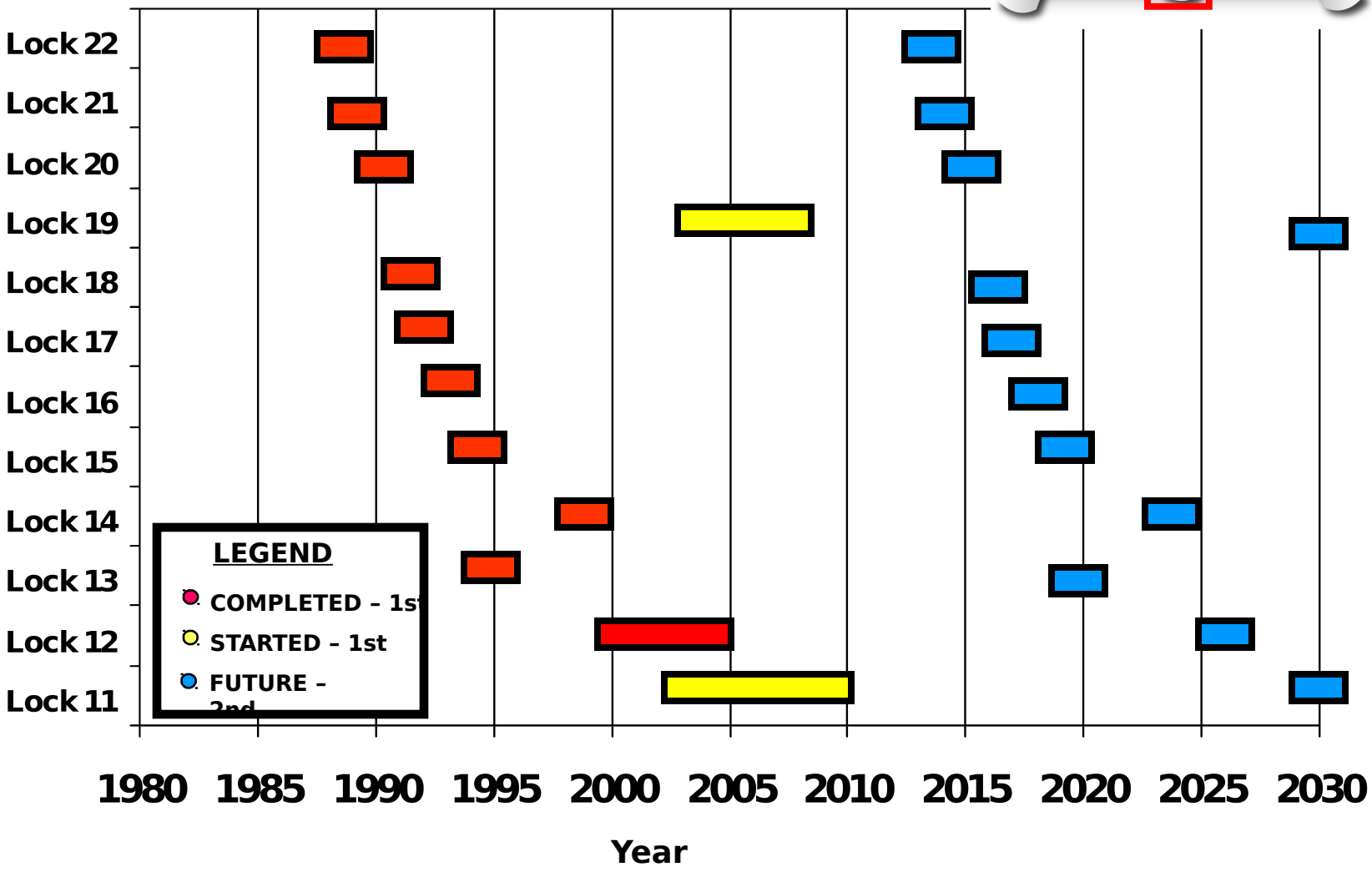
Coralville Lake President's Budget -- $2,537K

Project basic service level shortfall of $1.2M.

- **Erosion repair at Tailwater East -- $200K**

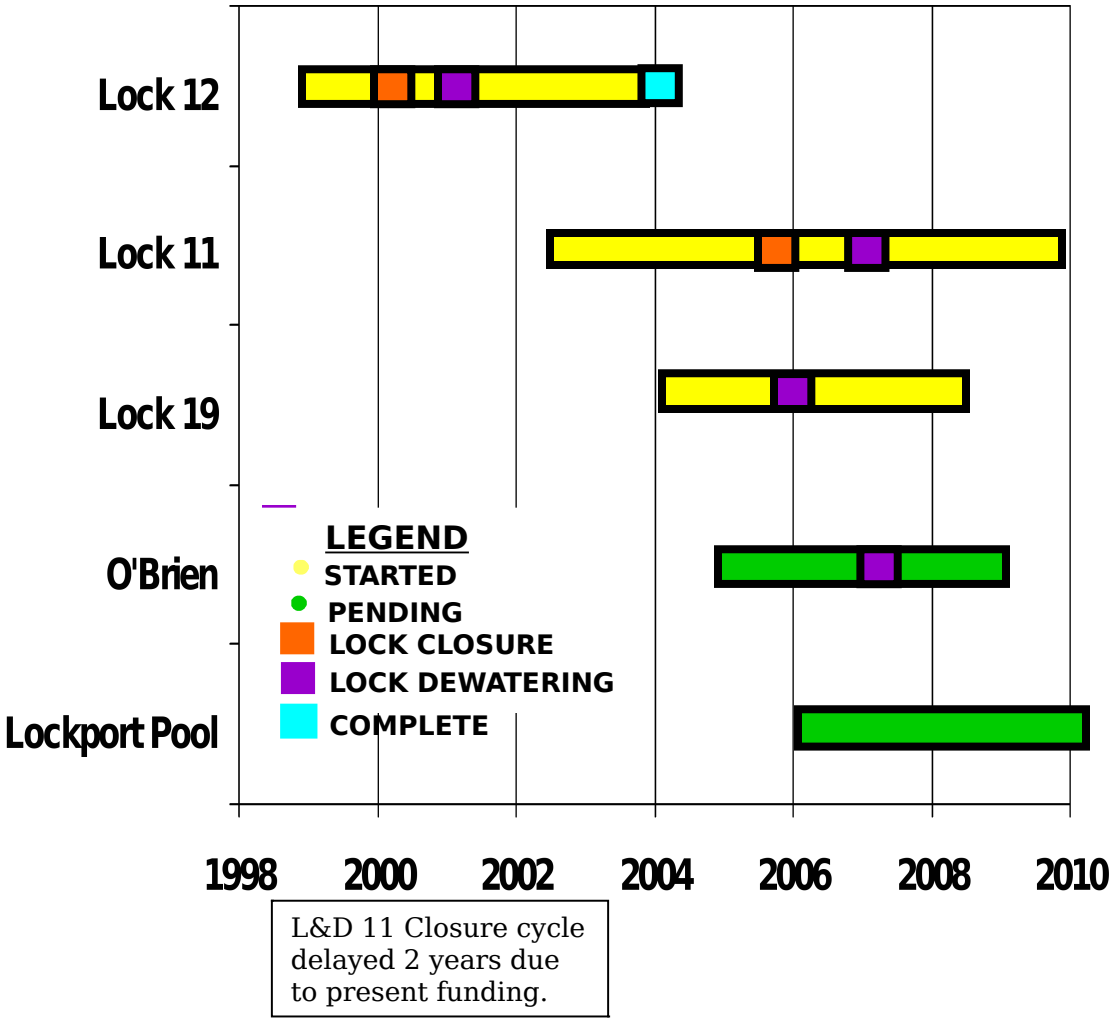
Schedule of Major Rehabilitations Upper Mississippi River in Rock Island District





Current Major Rehabilitations Upper Mississippi River & Illinois Waterway

- Lock and Dam 12
- Lock and Dam 11
- Lock 19
- O'Brien Lock
- Lockport Pool



L&D 11 Closure cycle delayed 2 years due to present funding.

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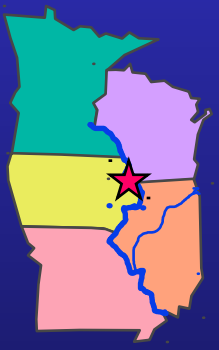
Lock & Dam 11 Dubuque, Iowa

- FY02 new start
- Major rehab - $26M CG/TF
- Major maint. - $16M O&M
- Stage I (scour) completed,
- Stage II lock award – Aug. 05
- FY05 funding levels
  - Stage II
    - FY05 CG/TF - $1.2M
    - Fy06 CG/TF - $7.58M
    - FY07 CG/TF - $21M needed
  - Stage III – $12M with schedule based on stage II progress



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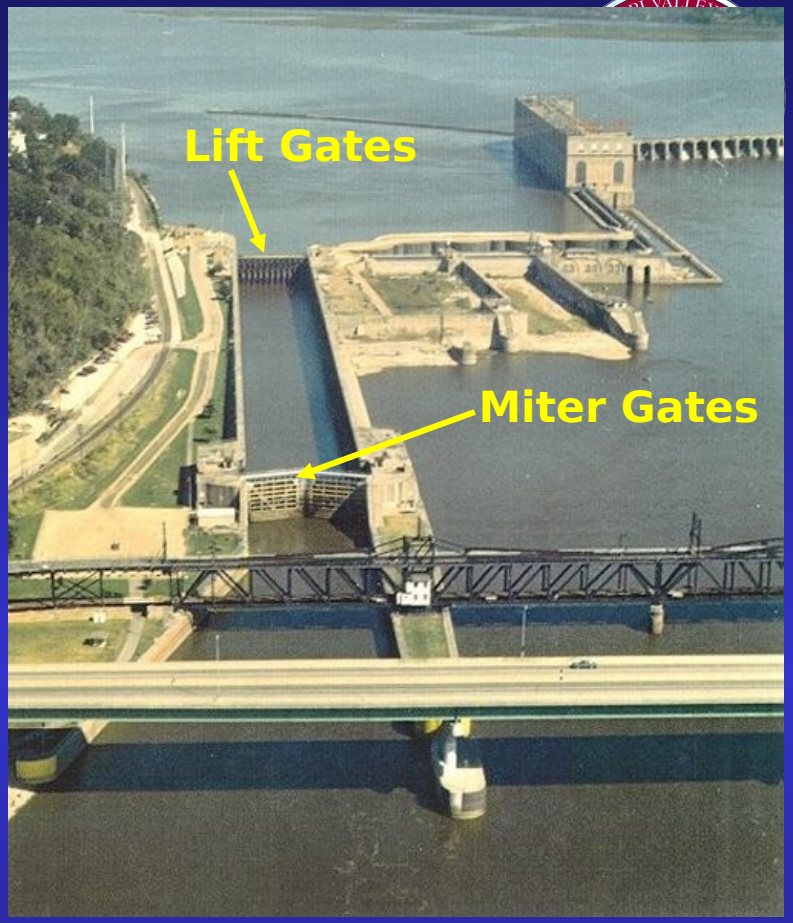
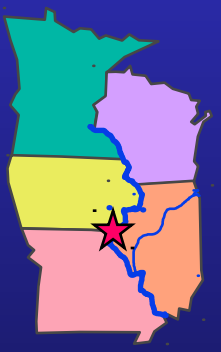
Lock 19 Keokuk, Iowa



- FY03 new start
- Major rehab - $21M CG/TF
  - $51M w/ lock concrete
- Major maint. - $1M O&M
- Staging of work
  - Stage I – lift gate repairs
  - Stage II – miter gates, machinery & electrical replacements
    - FY05 CG/TF - $4.8M
    - FY06 CG/TF - $17.5M
    - FY07 CG/TF - $8.5M needed



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Regulatory Program

Discharge of dredge mater

Filling of wetlands

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Environmental Protection & Restoration

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Environmental Authorities & Programs

- Continuing Authorities Program
- General Investigations
- Environmental Management Program
- Ecosystem Restoration Program from the Navigation Study

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Continuing Authorities Program

- **Section 1135 – project modifications for improvements to the environment**

- **Section 204 – beneficial use of dredge materials**

- **Section 206 – aquatic ecosystem restoration**

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Section 1135 (Project Modifications for Improvement of Environment)

1. Federal limit $5M
2. “Work-in-kind”
3. 75%-25% cost share

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Section 1135

- **Initial study is 100% federally funded up to $10,000**

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Section 1135

Mill Creek/Milan Bottoms, Rock Island, Illinois

Before

After

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Section 204 (Beneficial Use of Dredge Materials)

Sponsor assumes costs >$5M federal limit

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Section 204

- Cost shared 75% & 25% non-federal for costs over the ba
- No work-in-kin

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Section 204

Blackhawk Bottoms, Pool 19, Iowa

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Section 206 (Aquatic Ecosystem Restoration)

- Preliminary plan is 100% federal up to $10,000
- Remainder cost shared 65% & 35%
- Non-federal share may be work-in-kind

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Section 206

Duck Creek/Fairmount Park (Wetland Restoration), Davenport, Iowa

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Specifically Authorized Projects

- Larger projects
- Require specific authorization & appropriation of funds through Congress

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Environmental Management Program

Brown's Lake, Iowa

Rock Island District Environmental Management Program Projects

Current Projects	Status
Gardner Division	Construction completion (Sept 05)
Lake Odessa	Construction start (sched. 06)
Pool 11 Stage 2 (sched. Aug 05)	Construction completion
Pool 12 Overwintering July 07)*	Construction start (sched.
Rice Lake 07)*	Construction start (sched. June
Fox Island 06)*	Feasibility completion (sched.
08)*	Construction start (sched. June

Additional EMP projects are being completed by St. Paul and St. Louis Districts.

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Ecosystem Restoration Implementation

$1.58 Billion In First 15 Years

- Fish passage @ dams 4, 8, 22* & 26*
- Changes in water level control @ dams 25 and 16 (25*)
- Adaptive implementation of 225 small projects of less than $25 million each
  - Island building*
  - Water level management*
  - Backwater/side channel restoration*
  - Wing dam/dike alterations*
  - Island shoreline protection*
- 35,000 acres of floodplain restoration
- Continued study & monitoring

* Initiate in FY05

Programmatic

Feasibility Wrap-Up
Program Mgmt.
Mangmt. Plan
Program Mgmt. Plan Dev.
Ecosystem Adaptive Mangmt. System
Systemic Public Involvement

Island)

2)

Environmental

Systemic Env. Mitigation
Ecosystem Rest. &

Forest Management
Cultural Stewardship
Island Building

Fish Passages L/D 22 & 26
Floodplain Restoration
Water Level Management
Backwater Restoration
Side Channel (Schenimann
Chute, Buffalo

Wing Dam/Dike Alterations
(Herculaneum, Pool

Island Shoreline Protection
Dam Point Control (L/D 25)
Dam Embankment Lowering

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  - Decision documents (planning)
  - Engineering and design
  - Collection of pre-project monitoring data
  - Site specific evaluations
  - Public meetings

Points of Contact

- **District Commander**
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Rock Island District Website: www.mvr.usace.army.mil